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Name of the work: Construction of Fencing to Swimming Pool at Allalasandra Lake premises in ward No. 04 Yelahanka New Town.

Name of the Contractor/Agency : Sri. D K Nagaraja, Bangalore.

Name of the Client : BBMP

Estimated Cost : 1.50 Crore

Name of Bill : 1st RA Bill

Name & Designation of : (a) Mr. Sundresh
Assistant Engineer, BBMP, Bangalore.
: (b) Mr. Nandeesh
Assistant Executive Engineer, BBMP, Bangalore
: (C) Mr.Mahesh S Konaskumpi, Site Engineer
M/s Tejus Consultants

Sl. No.	Description of Item	Comments/observation
	6.2.1(1) MC00-13.1. Dismantling of existing structures like culverts, Bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceble material and stacking the serviceble material with all lifts complete as per specifications. II. By mechanical means, A. Cement concrete Grade M-15 & M-20 (PNo.136, LNo.18.20 of PW,P&IWTD SR 2016-17)	Work done up to the billed quantity and quality is satisfactory
	6.2.1(1) MG00-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 7(PNo.142, LNo.19.1 of PW, P&IWTD SR 2016-17)	Work done up to the billed quantity and quality is satisfactory
	6.2.1(1) 4-8.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (PNo.12, LNo.4.2 of PW,P&IWTD S.R 2016-17)	Work done up to the billed quantity and quality is satisfactory

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4	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2(Page No : 15, item No : 4.28)	Work done up to the billed quantity and quality is satisfactory
5	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (Page No : 16, item No : 4.32)	Work done up to the billed quantity and quality is satisfactory
6	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of Design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 (Page No : 13, item No : 4.11 of PW,P&IWTD S.R 2016-17)	Work done up to the billed quantity and quality is satisfactory
7	KSRB - 4.9.2: Providing TMT steel reinforcement Fe500 for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3. (P.No.17, I.No.4.46.2 of PW, P&IWTD SR 2016-17)	Work done up to the billed quantity and quality is satisfactory
8	KSRB 5.2-3: Providing and constructing granite size stone masonry in foundation cement mortor 1:6, stone hammered dressed in courses not less than 20cms high, bond stones at 2m. apart in each course including cost of materaials, labour, curing complete as per specifications. Specifcation No. KBS 5.1.13.(P.No.23, LNo.5.6 of PW, P&IWTD S.R 2016-17)	Work done up to the billed quantity and quality is satisfactory
9	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13(P.No.23, LNo.5.6 of PW, P&IWTD S.R 2016-17)	Work done up to the billed quantity and quality is satisfactory

10	KSRB 15.1.1 Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. (P.No.113, I.No.15.1 of PW, P&IWTD S.R 2016-17)	Work done up to the billed quantity and quality is satisfactory
11	KSRB 4-1.6: Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.530 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No.4.6 of PW,P&IWTD S.R 2016-17)	Work done up to the billed quantity and quality is satisfactory
12	KSRB 5-14: Providing and constructing precast concrete solid blocks with compressive strength not less than 3.5 Newton with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x15x20cms conforming to I.S. 2185 of 1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications(Page No.25, Item No. 5.26.2)	Work done up to the billed quantity and quality is satisfactory
13	KSRB15-3.12 :Providing 20mm thick cement plaster in single coat with cement mortar 1:6, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.(Page No.114, Item No.15.20 of SR 2016-17)	Work done up to the billed quantity and quality is satisfactory
17	Fabricating, Providing and Erecting in position Hot Dip Galvanised gate Using 72X72X4.8mm square GI pipe frame with top pipe Bending in heavy duty Hydraulic press with sand packing and hot bending to form double arch as per drawing profile , 20mm hot dip galvanised sq rod for verticals at 150mm C/C as shown in the drawing including providing hot dip galvanised forged ornamental design in between sq roads and heads at top , middle, bottom, intermediate supports of 75X12mm and 50X6mm arch bend to hot dip galvanised flats the work is inclusive of throughing GI flat GI square rods, placing , welding all the joints including grinding , finishing metal puuty , painting two coats enamel painting , the rate is inclusive of all materials like GI square pipe GI Square rods GI froged Designs etc Heavy duty Hinges are made out of 75mm solid SQ. Block assembled wit 20mm dia bearing in 3 Places for each flap Heavy duty locking arrangements at tow places including cost of labour painting erecting charges using hoist pulley cranes with all lead and lift , loading, transportation, unloading, scaffolding charges and all other incidental charges for successful completion of the work as per directions of the engineer	Work done up to the billed quantity and quality is satisfactory

	- in - charge of the work (Data Rate)	
18	Providing and fixing M.S. Gate as per Chief Architect Drawing, using 50mm x 50mm 14 guage M.S. hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16 x 16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members as shown in the drawing etc., complete. All the steel surface should bethoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges, etc., complete as per specification(P.No.42, I.No7.37 of PW,P&IWTD S.R 2016-17))	Work done up to the billed quantity and quality is satisfactory
21	KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications, (which includes cost of gravel / murrum, watering charges & compaction by vibratory roller) MORTH Specification No. 305 (P.No.148, I.No.19.60 of PW,P&IWTD S.R 2016-17)	Work done up to the billed quantity and quality is satisfactory